

Form PTO-1449
(Rev. 2-88)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

962096.95

SERIAL NO.

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

APPLICANT(S): James A. Thomson

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1633

U.S. PATENT DOCUMENTS

* EXAMINER'S INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DRC	5,061,620	10/29/91	Tsukamoto, et al.	435	7.21	
DRC	5,166,065	11/24/92	Williams, et al.	435	325	
DRC	5,340,740	8/23/94	Petitte, et al.	435	325	
DRC	5,449,620	9/12/95	Khillan	435	325	
DRC	5,453,357	9/26/95	Hogan	435	7.21	
DRC	5,589,376	12/31/96	Anderson et al.	435	325	
DRC	5,591,625	1/07/97	Gerson, et al.	435	325	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
DRC	WO 94/03585	02/17/94	PCT			X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DRC	1	Andrews, P., et al., "Cell lines from human germ cell tumours," <u>Teratocarcinoma and Embryonic Stem Cells: A Practical Approach</u> , Oxford: IRL Press, Ch. 8:207-248 (1987)
	2	Andrews, P., et al., "Pluripotent Embryonal Carcinoma Clones Derived from the Human Teratocarcinoma Cell Line Tera-2," <u>Lab. Invest.</u> , 50(2):147-162 (1984).
DRC	3	Bongso, A., et al., "Isolation and culture of inner cell mass cells from human blastocysts," <u>Human Reprod.</u> , 9(1):2110-2117 (1994).
	4	Bongso, A., et al., "The Growth of Inner Cell Mass Cells from Human Blastocysts," <u>Theriogenology</u> , 41:167 (1994).
DRC	5	Brown, D.G., et al., "Criteria that Optimize the Potential of Murine Embryonic Stem Cells for In Vitro and In Vivo Developmental Studies," <u>In Vitro Cell. Dev. Bio.</u> , 28(A)773-778 (Nov., Dec. 1992).
	6	Damjanov, Ivan., et al., "Retinoic Acid-Induced Differentiation of the Developmentally Pluripotent Human Germ Cell Tumor-Derived Cell Line, NCCIT, <u>Laboratory Investigation</u> , 68(2):220-232 (1993).
DRC	7	Doetschman, T., et al., Establishment Of Hamster Blastocyst-Derived Embryonic Stem (ES) Cells, <u>Developmental Biology</u> , 127:224-227 (1988).
	8	Doetschman, T., et al., "The <i>in vitro</i> development of blastocyst-derived embryonic stem cell lines: formation of visceral yolk sac, blood islands and myocardium," <u>J. Embryol. exp. Morph.</u> , 87:27-45 (1985).
DRC	9	Evans, M., et al., "Establishment in culture of pluripotential cells from mouse embryos," <u>Nature</u> , 292:154-156 (1981).
	10	Evans, M., et al., "Derivation and Preliminary Characterization of Pluripotent Cell Lines from Porcine and Bovine Blastocysts," <u>Theriogenology</u> , 33(1):125-128 (1990).

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DRC	11	✓	Giles, J., et al., "Pluripotency of Cultured Rabbit Inner Cell Mass Cells Detected by Isozyme Analysis and Eye Pigmentation of Fetuses Following Injection into Blastocysts or Morulae," <u>Mol. Reprod. Dev.</u> , 36:130-138 (1993).
	12	✓	Golos, T., et al., "Cloning of Four Growth Hormone/Chorionic Somatomammotropin-related Complementary Deoxyribonucleic Acids Differentially Expressed during Pregnancy in the Rhesus Monkey Placenta," <u>Endocrinology</u> , 133(4):1744-1752 (1993).
DRC	13	✓	Graves, K., et al., "Derivation and Characterization of Putative Pluripotential Embryonic Stem Cells from Preimplantation Rabbit Embryos," <u>Mol. Reprod. Dev.</u> , 36:424-433 (1993).
	14	✓	Lapidot, T., et al., "Modeling Human Hematopoiesis in Immunodeficient Mice," <u>Lab. Animal Sci.</u> , 43(2):147-149 (1993).
DRC	15	✓	Marshall, E., "Rules on Embryo Research Due Out," <u>Science</u> , 265:1024-1026 (1994).
	16	✓	Notarianni, E., et al., "Maintenance and differentiation in culture of pluripotential embryonic cell lines from pig blastocysts," <u>J. Reprod. Fert. Suppl.</u> , 41:51-56 (1990).
DRC	17	✓	Notarianni, E., et al., "Derivation Of Pluripotent, Embryonic Cell Lines From The Pig And Sheep," <u>J. Rep. & Fert.</u> 43 255-260 (1991)
DRC	18	✓	Piedrahita, et al., "On The Isolation Of Embryonic Stem Cells: Comparative Behavior Of Murine, Porcine And Ovine Embryos," <u>Theriogenology</u> , 34(5):879-901 (1990).
	19	✓	Piedrahita, J. Dissertation On "Studies On The Isolation Of Embryonic Stem (ES) Cells: Comparative Behavior Of Murine, Porcine, And Ovine Species," University of California Davis, 1989
	20	✓	Rossant, J., et al., "The relationship between embryonic, embryonal carcinoma and embryo-derived stem cells," <u>Cell Diff.</u> , 15:155-161 (1984).
DRC	21	✓	Seshagiri, P., et al., "Non-Surgical Uterine Flushing for the Recovery of Preimplantation Embryos in Rhesus Monkeys: Lack of Seasonal Infertility," <u>Am. J. Primatol.</u> , 29:81-91 (1993).
	22	✓	Strojek, R. et al., "A Method For Cultivating Morphologically Undifferentiated Embryonic Stem Cells From Porcine Blastocysts," <u>Theriogenology</u> 33 901-913 (1990)
DRC	23	✓	Sukoyan, M., et al., "Isolation and Cultivation of Blastocyst-derived Stem Cell Lines from American Mink (<i>Mustela vison</i>)," <u>Mol. Reprod. Dev.</u> , 33:418-431 (1992).

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DRC	24	Sukoyan, M., et al., "Embryonic Stem Cells Derived from Morulae, Inner Cell Mass, and Blastocysts of Mink: Comparisons of Their Pluripotencies," <u>Mol. Reprod. Devel.</u> , 36:148-158 (1993).
	25	Talbot, et al. "Culturing The EpiBlast Cells Of The Pig Blastocyst",, <u>In Vitro Cell. Dev. Bio.</u> , 29(A):543-554 (1993).
DRC	26	Thomson, J., et al., "Nonsurgical uterine stage preimplantation embryo collection from the common marmoset," <u>J. Med. Primatol.</u> , 23:333-336 (1994).
	27	Thomson, James A., et al., "Pluripotent Cell Lines Derived from Common Marmoset (<u>Callithrix jacchus</u>) Blastocysts," <u>Biology of Reproduction</u> , 55:254-259 (1996).
DRC	28	Ware, et al., "Development Of Embryonic Stem Cell Lines From Farm Animals", <u>Biol. Reprod.</u> , 38(Suppl. 1):129 (1988).
	29	Wenk, J., et al., "Glycolipids of Germ Cell Tumors: Extended Globo-series Glycolipids are a Hallmark of Human Embryonal Carcinoma Cells," <u>Int. J. Can.</u> , 58:108-115 (1994).
DRC	30	Williams, R., et al., "Myeloid leukaemia inhibitory factor maintains the developmental potential of embryonic stem cells," <u>Nature</u> , 336:684-692 (1988).
	31	Associated Press Milwaukee Journal Article dated November 4, 1994 describing the inventor's work (not prior art) "Embryonic Monkey Cells Isolated" (11-4-94).

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